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MONTANA
JOB PROJECTIONS
2000-2010

Wage & Training
Information Included

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Occupations with Job Opportunities

The Montana Department of Labor and Industry's Research and Analysis Bureau develops occupational job projections to help people anticipate which occupations are likely to produce jobs in the future. Projections featured in this pamphlet were made to the year 2010 based on data from 2000 and previous years. Some job openings will be generated by industry growth. The rest will result from replacing workers who leave existing jobs for various reasons. Job numbers are only estimates, and all information applies to the state as a whole.

Occupations shown in this pamphlet are organized by education and training required*—then ranked according to total annual openings expected. From left to right, the information includes:

- **Occupation:** The name of an occupation.
- **2000 Jobs:** Jobs existing in 2000.
- **2010 Jobs:** Jobs estimated for 2010.
- **Annual Job Openings:** Jobs projected to be added each year from *both* industry growth and replacements.
- **Median Hourly Wage:** The wage rate that divides wage distribution into two equal parts, with half the wages falling above the median rate and half falling below. Taken from the Research and Analysis Bureau's 2001 Occupational Employment Statistics program survey of occupations. While job projections include wage, salary, and self-employment jobs, hourly wages were computed using *only* wage and salary jobs. When wage information is not available for a specific occupation, its hourly wage is listed as "NA." Annual wage information is available for some occupations, and may be found on the bureau's website.

**Training may include training acquired in a school, work, apprenticeship, military, institutional or vocational environment.*

More detailed projection information is available on the bureau's website at: ourfactsyourfuture.org

Education and Training Categories:

First professional degree:
Completion of the academic program usually requires at least 6 years of full-time equivalent academic study, including college study prior to entering the professional degree program.

Doctoral degree:
Completion of the degree program usually requires at least 3 years of full-time equivalent academic work beyond the bachelor's degree.

Master's degree:
Completion of the degree program usually requires 1 or 2 years of full-time equivalent study beyond the bachelor's degree.

Work experience, plus a bachelor's or higher degree:
Most occupations in this category are managerial occupations that require experience in a related nonmanagerial position.

Bachelor's degree:
Completion of the degree program generally requires at least 4 years, but not more than 5 years of full-time equivalent academic work.

Associate degree:
Completion of the degree program usually requires at least 2 years of full-time equivalent academic study.

Postsecondary vocational training:
Some programs last only a few weeks while others may last more than a year. In some occupations, a license is needed that requires passing an examination after completion of the training.

Work experience in a related occupation:
Some occupations requiring work experience are supervisory or managerial occupations.

Long-term on-the-job training:
This category includes occupations that generally require more than 12 months of on-the-job training or combined work experience, and formal classroom instruction for workers to develop the skills needed for average job performance. This category includes formal and informal apprenticeships that may last up to 4 years and short-term intensive employer-sponsored training that workers must successfully complete. Individuals undergoing training are generally considered to be employed in the occupation. This category includes occupations in which workers may gain experience in nonwork activities, such as professional athletes who gain experience through participation in athletic programs in academic institutions.

Moderate-term on-the-job training:
This category includes occupations in which workers can develop the skills needed for average job performance after 1 to 12 months of combined on-the-job experience and informal training.

Short-term on-the-job training:
This category covers occupations in which workers can develop the skills needed for average job performance after 1 month of on-the-job experience or a short period of instruction.

Training Required for Montana Jobs:

First Professional Degree 1.3%
Doctoral Degree 0.9%
Master's Degree 1.1%
Work Experience Plus Degree 5.2%
Bachelor's Degree 11.0%
Associate Degree 2.9%
Postsecondary Vocational Training 5.1%
Work Experience in a Related Occupation 9.4%
Long-Term On-The-Job Training 14.4%
Moderate-Term On-The-Job Training 16.8%
Short-Term On-The-Job Training 31.9%

Jobs Requiring Short-Term On-the-Job Training:

Occupation	2000 Jobs	2010 Jobs	Annual Job Openings	Median Hourly Wage
Sales Representatives	15,924	19,191	933	$7.54
[illegible]	9,246	11,318	627	$6.89
[illegible] & Waitresses	7,017	8,398	533	$6.29
[illegible] Workers	8,138	9,811	443	$6.89
[illegible]ned Food Prep & Serving Workers, Including Fast Food	3,913	5,158	364	$6.83
[illegible] & Housekeeping Cleaners	6,303	8,106	317	$6.71
[illegible]s & Cleaners, Except Maids & Housekeeping Cleaners	9,660	11,079	316	$8.06
[illegible]erks General	8,813	10,010	289	$8.83
[illegible]nders	4,736	5,560	269	$7.17
[illegible]e Attendants Cafeteria Food Concession Coffee Shop	2,450	2,787	224	$6.90
[illegible] & Freight Stock & Material Movers, Hand	4,002	4,756	209	$8.48
[illegible] Assistants	4,755	5,630	187	NA
[illegible]paration Workers	3,225	3,764	178	$7.03
[illegible]Aides Orderlies & Attendants	5,040	6,155	176	$8.11
[illegible]ing & Groundskeeping Workers	3,123	4,076	174	$8.03
[illegible]ers & Order Fillers	4,256	4,464	172	$8.51
[illegible]ts & Information Clerks	3,159	4,032	157	$8.61
[illegible]ght & Delivery Services	4,154	5,143	156	$9.62
[illegible] & Home Care Aides	2,074	3,257	150	$7.38
[illegible]& Resort Desk Clerks	1,546	2,270	140	$6.71
[illegible]al Clerks	1,724	2,315	137	$7.00
[illegible]Aides	2,663	3,570	125	$7.98
[illegible]Vehicles & Equipment	1,925	2,291	110	$7.13
[illegible]Hand	3,467	3,564	108	$6.36
[illegible]	2,557	2,409	96	$6.29
[illegible]	1,860	1,922	96	$8.11
[illegible]e Restaurant/Lounge/Coffee Shop	1,879	2,192	87	$6.98
[illegible]chool	2,641	2,797	83	$10.36
[illegible]& Packagers, Hand	1,916	2,167	74	$7.14
[illegible]t & Recreation Attendants	789	1,160	64	$6.56
[illegible]e Workers	2,245	2,533	60	$6.97
[illegible] Receiving & Traffic Clerks	1,536	1,781	56	$9.37
[illegible]nt Collectors	904	1,191	51	$10.32
[illegible]mate Caretakers	1,314	1,534	50	$6.79
[illegible]& Posting Clerks & Machine Operators	1,366	1,474	44	$9.99
[illegible]ards	733	932	40	$7.62
[illegible]ers, Novelties & Variant	598	719	39	$6.65
[illegible]om & Cafeteria Attendants & Bartender Helpers	1,125	1,134	39	$6.38
[illegible]Truck & Tractor Operators	1,437	1,602	36	$11.44
[illegible]ce Mail Carriers	1,077	1,000	33	$18.36
[illegible]ers, Measurers, Checkers & Samplers, Recordkeeping	1,044	1,093	30	$8.78
[illegible] Technicians	420	514	28	$8.76
[illegible]meters	600	761	28	$6.88
[illegible]ics—Installation, Maintenance & Repair Workers	333	439	28	$9.93
[illegible]ics—Carpenters	333	437	27	$10.38
[illegible]Drivers & Chauffeurs	1,117	1,298	27	$7.55
[illegible]e Station Attendants	458	490	27	$6.56
[illegible]Clerks & Mail Machine Operators, Except Postal Service	628	703	26	$7.86
[illegible]e Repairers & Changers	452	543	26	$8.76
[illegible]hers Lobby Attendants & Ticket Takers	242	302	25	$6.53
[illegible]File Clerks	591	647	25	$7.09
[illegible]ary Assistants Clerical	358	445	25	$6.94
[illegible]omotive Engineers	567	510	25	$22.60
[illegible] Refuse & Recyclable Material Collectors	405	481	25	$12.18
[illegible]nterviewers, Except Eligibility & Loan	406	560	24	$8.71
[illegible]Helpers—Production Workers	728	777	23	$8.97
[illegible]Court, Municipal & License Clerks	652	762	21	$10.15
[illegible]Reservation & Transportation Ticket Agents & Travel Clerks	606	642	20	$10.74

Jobs Requiring Moderate-Term On-the-Job Training:

Occupation	2000 Jobs	2010 Jobs	Annual Job Openings	Median Hourly Wage
Truck Drivers, Heavy & Tractor-Trailer	8,841	11,093	347	$14.17
Bookkeeping, Accounting & Auditing Clerks	9,899	11,120	310	$10.22
Sales Reps, Except Technical & Scientific Products	5,075	5,919	222	$15.85
Customer Service Representatives	3,714	4,963	156	$9.59
Executive Secretaries & Administrative Assistants	5,271	5,796	142	$12.44
Secretaries, Except Legal, Medical & Executive	6,913	7,137	140	$9.47
Construction Laborers	3,197	4,265	136	$11.62
Painters, Construction & Maintenance	3,145	3,745	115	$14.03
Social & Human Service Assistants	1,466	2,218	97	$9.93
Farmworkers, Farm & Ranch Animals	2,864	2,277	96	$6.87
Operating Engineers & Other Construction Equip Operators	2,776	3,070	90	$15.72
Advertising Sales Agents	1,248	1,690	70	$13.91
Medical Assistants	797	1,212	63	$10.06
Parts Salespersons	1,362	1,553	60	$10.73
Correctional Officers & Jailers	1,149	1,421	55	$11.64
Tour Guides & Escorts	744	1,050	54	$7.40
Sawing Machine Setters/Operators/Tenders, Wood	878	1,020	49	$11.35
Roofers	981	1,231	47	$15.33
Team Assemblers	1,272	1,519	47	$10.14
Dental Assistants	864	1,149	44	$11.24
Sheet Metal Workers	629	931	43	$18.33
Excavating & Loading Machine & Dragline Operators	878	1,018	40	$16.57
Laundry & Dry-Cleaning Workers	876	1,032	39	$7.14
Woodworking Machine Setters/Operators/Tenders, Except Sawing	591	720	37	$9.58
Demonstrators & Product Promoters	589	761	36	$7.89
Logging Equipment Operators	1,227	1,347	35	$15.59
Printing Machine Operators	465	603	26	$12.33
Dispatchers, Except Police, Fire & Ambulance	536	688	24	$11.93
Floral Designers	889	1,014	21	$7.57
Highway Maintenance Workers	919	995	21	$13.33
Tax Preparers	390	513	20	$13.02
Merchandise Displayers & Window Trimmers	742	864	20	$8.76

Jobs Requiring Long-Term On-the-Job Training:

Occupation	2000 Jobs	2010 Jobs	Annual Job Openings	Median Hourly Wage
Carpenters	10,609	12,850	404	$14.40
Farmers & Ranchers	25,127	26,261	257	NA
Cooks, Restaurant	3,746	4,662	198	$7.97
Electricians	1,956	2,511	92	$21.17
Automotive Body & Related Repairers	2,126	2,522	92	$13.24
Maintenance & Repair Workers, General	3,870	4,269	90	$12.28
Cooks, Institution & Cafeteria	2,310	2,528	88	$8.29
Farmworkers & Laborers, Crop, Nursery & Greenhouse	2,399	1,699	80	$7.97
Police & Sheriff's Patrol Officers	1,349	1,701	64	$15.25
Cabinetmakers & Bench Carpenters	1,077	1,303	57	$11.65
Reporters & Correspondents	1,143	1,325	55	NA
Plumbers, Pipefitters & Steamfitters	1,339	1,624	51	$21.18
Fine Artists, Including Painters, Sculptors & Illustrators	1,071	1,231	38	NA
Coaches & Scouts	949	1,138	38	NA
Cement Masons & Concrete Finishers	1,301	1,565	38	$14.85
Telecommunications Line Installers & Repairers	555	763	31	$17.39
Musicians & Singers	837	976	30	NA
Home Appliance Repairers	761	902	30	$12.17
Bakers	823	967	28	$8.70
Compliance Officers, Except Agric, Const, Health/Safety & Transportation	838	861	24	$15.86
Firefighters	631	705	24	$11.59
Heating, Air Conditioning & Refrigeration Mechanics & Installers	686	856	24	$15.36

Occupation	2000 Jobs	2010 Jobs	Annual Job Openings	Median Hourly Wage
Opticians, Dispensing	529	660	23	$12.33
Radio & Television Announcers	580	711	22	NA
Photographers	644	737	22	$10.18
Tile & Marble Setters	602	717	22	$14.10
Stonemasons	438	562	21	$18.93

Jobs Requiring Work Experience in Related Occupation:

Occupation	2000 Jobs	2010 Jobs	Annual Job Openings	Median Hourly Wage
First-Line Supervisors/Managers of Retail Sales Workers	13,160	15,356	410	$11.39
First-Line Supervisors/Mngrs of Construction Trades & Extraction Workers	6,434	7,514	255	$19.28
Real Estate Brokers	2,617	3,450	124	$40.21
Food Service Managers	3,815	4,411	105	$11.88
First-Line Supervisors/Managers of Office & Admin Support Workers	3,568	3,903	102	$13.54
First-Line Supervisors/Managers of Food Preparation & Serving Workers	2,172	2,503	88	$9.18
First-Line Supervisors/Managers of Mechanics, Installers & Repairers	1,477	1,747	65	$20.41
Lodging Managers	1,612	1,860	44	$9.67
First-Line Supervisors/Managers of Production & Operating Workers	1,409	1,477	44	$16.48
First-Line Supervisors/Managers of Housekeeping & Janitorial Workers	795	932	35	$11.10
First-Line Supervisors/Managers of Non-Retail Sales Workers	965	1,104	28	$17.37
Railroad Conductors & Yardmasters	604	536	27	NA
First-Line Supervisors/Managers of Personal Service Workers	436	526	21	$8.40

Jobs Requiring Postsecondary Vocational Training:

Occupation	2000 Jobs	2010 Jobs	Annual Job Openings	Median Hourly Wage
Automotive Service Technicians & Mechanics	4,353	5,335	201	$13.80
Hairdressers, Hairstylists & Cosmetologists	3,877	4,427	150	$7.85
Licensed Practical & Licensed Vocational Nurses	2,416	2,812	102	$12.26
Real Estate Sales Agents	1,821	2,350	84	$8.66
Fitness Trainers & Aerobics Instructors	853	1,357	68	$9.37
Welders, Cutters, Solderers & Brazers	1,219	1,376	50	$14.94
Medical Secretaries	1,150	1,354	40	$9.89
Bus & Truck Mechanics & Diesel Engine Specialists	883	1,005	35	$14.92
Psychiatric Technicians	412	616	31	NA
Legal Secretaries	717	872	28	$10.48
Emergency Medical Technicians & Paramedics	615	721	26	$9.58
Medical Transcriptionists	482	610	26	$11.59
Telecommunications Equip Installers & Repairers, Except Line Installers	848	952	26	$21.28
Mobile Heavy Equipment Mechanics, Except Engines	700	781	26	$17.61
Barbers	629	701	25	$9.87
Gaming & Sports Book Writers & Runners	269	405	23	$6.99
Chefs & Head Cooks	467	529	21	$6.55

Jobs Requiring Associate Degree:

Occupation	2000 Jobs	2010 Jobs	Annual Job Openings	Median Hourly Wage
Registered Nurses	7,687	9,355	322	$19.17
Computer Support Specialists	1,393	2,557	122	$15.45
Medical Records & Health Information Technicians	536	756	34	$9.60
Radiologic Technologists & Technicians	659	750	28	$15.40
Forest & Conservation Technicians	737	713	27	$14.37
Respiratory Therapists	330	446	20	$16.25

Jobs Requiring Bachelor's or Higher Degree:

Occupation	2000 Jobs	2010 Jobs	Annual Job Openings	Median Hourly Wage
Elementary School Teachers, Except Special Education	4,908	5,128	134	NA
Accountants & Auditors	3,749	4,402	121	$16.45
Secondary School Teachers, Except Special & Vocational Education	3,712	3,712	113	NA
Insurance Sales Agents	2,208	2,466	82	$13.44

Occupation	2000 Jobs	2010 Jobs	Annual Job Openings	Median Hourly Wage
Property, Real Estate & Community Association Managers	2,223	2,675	81	$26.65
Loan Officers	1,645	1,836	52	$16.81
Social & Community Service Managers	1,290	1,533	49	$ 15.23
Network & Computer Systems Administrators	557	1,026	49	$19.92
Construction Managers	1,255	1,504	45	$2[illegible]
Child, Family & School Social Workers	1,403	1,697	45	$ [illegible]
Writers & Authors	1,343	1,575	45	$ 0.59
Middle School Teachers, Except Special & Vocational Education	1,806	1,830	44	NA
Computer Systems Analysts	842	1,[illegible]00	43	$24.3[illegible]
Computer Software Engineers, Applications	548	935	42	$[illegible].94
Civil Engineers	1,340	1,521	39	$23.83
Securities, Commodities & Financial Services Sales Agents	1,187	1,[illegible]46	38	$32.[illegible]
Special Ed Teachers, Preschool, Kindergarten & Elementary	590	873	[illegible]	NA
Directors, Religious Activities & Education	744	875	26	$8.57
Recreation Workers	666	787	26	$8.47
Graphic Designers	566	1,030	25	$13.[illegible]
Medical & Clinical Laboratory Technologists	674	770	25	$18.32
Computer Programmers	596	704	23	$21.88
Preschool Teachers, Except Special Education	949	1,063	2[illegible]	$ 9.97
Wholesale & Retail Buyers, Except Farm Products	539	583	[illegible]	$1[illegible]
Cost Estimators	455	561	[illegible]	$[illegible].4
Environmental Scientists & Specialists, Including Health	325	422	[illegible]	$[illegible]
Public Relations Specialists	455	579	[illegible]	$16.57

Jobs Requiring Work Experience Plus Bachelor's or Higher Degree:

Occupation	2000 Jobs	2010 Jobs	Annual Job Openings	Median Hourly Wage
General & Operations Managers	12,006	[illegible]	428	[illegible]
Chief Executives	1,689	[illegible]	8[illegible]	[illegible]
Financial Managers	1,844	2,[illegible]	[illegible]	[illegible]
Farm, Ranch & Other Agricultural Managers	3,431	2,829	[illegible]	[illegible]
Administrative Services Managers	1,053	261	[illegible]	[illegible]
Medical & Health Services Managers	812	999	[illegible]	$23.[illegible]
Computer & Information Systems Managers	585	8[illegible]	[illegible]	$[illegible]
Education Administrators, Postsecondary	765	8[illegible]5	[illegible]	$[illegible]
Education Administrators, Elementary & Secondary	969	1,[illegible]3	[illegible]	[illegible]
Sales Managers	588	[illegible]52	[illegible]5	$[illegible]
Management Analysts	656	8[illegible]	[illegible]	$ [illegible]
Engineering Managers	932	98[illegible]	[illegible]	$[illegible]

Jobs Requiring Master's Degree:

Occupation	2000 Jobs	2010 Jobs	Annual Job Openings	Median Hourly Wage
Physical Therapists	879	[illegible]	[illegible]	[illegible]
Clergy	783	[illegible]	[illegible]	$ [illegible]
Substance Abuse & Behavioral Disorder Counselors	427	556	[illegible]	$ [illegible]
Librarians	829	867	[illegible]	$ [illegible]

Jobs Requiring Doctoral Degree:

Occupation	2000 Jobs	2010 Jobs	Annual Job Openings	Median Hourly Wage
Postsecondary Teachers, All Other	648	82[illegible]	[illegible]	[illegible]
Business Teachers, Postsecondary	584	[illegible]39	[illegible]	[illegible]

Jobs Requiring Professional Degree:

Occupation	2000 Jobs	2010 Jobs	Annual Job Openings	Median Hourly Wage
Lawyers	2,581	3,237	83	$37.39
Pharmacists	950	[illegible]23	56	$3[illegible]
Family & General Practitioners	745	874	24	$6.59
Veterinarians	590	718	24	$ 5.72
Dentists, General	566	663	23	NA

What Are My Career Interests?

Your likes and dislikes are extremely important in your career planning. They will supply you with ideas of what types of work will suit you best. The statements that follow will help you answer the question, "What do I like the best?"

1. Circle The Numbers Below That Best Describe You

1 I'd rather make something than read a book.
2 I enjoy problem-solving games and working at puzzles.
3 I like helping other people when they need it.
4 I enjoy learning about new topics by reading about them.
5 I like working with my hands.
6 I like being the leader in a group of people.
7 I prefer to know all the facts before I tackle a problem.
8 I like to take care of other people.
9 I enjoy designing, inventing and creating things.
10 I enjoy expressing myself through art, music, or writing.
11 I would like a job where I could deal with people all day.
12 I like working with materials and equipment.
13 I enjoy learning new facts and ideas.
14 I find cooperating with others comes naturally to me.
15 I like finding out how things work by taking them apart.
16 I would choose working with things rather than working with people.
17 I can usually persuade people to do things my way.
18 I enjoy building and repairing things.
19 I enjoy the research part of my projects.
20 I like interacting with people.
21 I enjoy thinking up different ideas and ways to do things.
22 I like hearing other people's opinions.
23 I enjoy learning how to use different tools.
24 I find it easy to follow written instructions.

2. Find and circle the numbers you selected above in the three groups below:

1 - 5 - 9 - 12 - 15 - 16 - 18 - 23

You are a hands-on person. You enjoy expressing yourself through writing, music, or art, doing experiments or researching, solving puzzles and problems, studying and reading.

3 - 6 - 8 - 11 - 14 - 17 - 20 - 22

You are a people person. You enjoy caring for and helping others, persuading people, working as part of a team, leading and supervising others.

2 - 4 - 7 - 10 - 13 - 19 - 21 - 24

You are an information person. You enjoy expressing yourself through writing, music, or art, doing experiments or researching, solving puzzles and problems, studying and reading.

For more information contact your School Counselor, local Job Service Workforce Centers or Research & Analysis at 1-800-541-3904 or visit our website: ourfactsyourfuture.org

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